

Title (en)

Method for monitoring pneumatically actuatable membrane valves in liquid feed assemblies

Title (de)

Verfahren zur Überwachung pneumatisch betätigbarer Membranventile in Flüssigfütterungsanlagen

Title (fr)

Procédé de surveillance de soupapes à membrane pouvant être actionnées de manière pneumatique dans des installations d'alimentation liquide

Publication

EP 2363630 A3 20160615 (DE)

Application

EP 11450027 A 20110223

Priority

AT 3522010 A 20100305

Abstract (en)

[origin: EP2363630A2] The method involves monitoring compressed air consumption of a compressed air line (9) by using a flow meter (4) during feed operation, such that untypical increasing of the air consumption is evaluated as valve error when a discharge valve (7) is operated in a locking condition. The air consumption of the line is changed and/or reduced when the discharge valve is identified as defective. The monitoring of the discharge valve is executed constantly or periodically during the normal feed operation, and an error message is generated during untypical increase of the air consumption.

IPC 8 full level

F17D 5/02 (2006.01); **F16K 7/17** (2006.01); **F16K 17/00** (2006.01); **F16K 37/00** (2006.01); **G01M 3/28** (2006.01)

CPC (source: EP)

F16K 37/0075 (2013.01); **F17D 5/02** (2013.01); **G01M 3/2876** (2013.01)

Citation (search report)

[ID] EP 1726855 A2 20061129 - BIG DUTCHMAN SKANDINAVIEN AS [DK]

Cited by

GB2489776A; GB2489776B; EP3320771A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2363630 A2 20110907; **EP 2363630 A3 20160615**; **EP 2363630 B1 20180214**; AT 509513 A1 20110915; AT 509513 B1 20120915; HU E037367 T2 20180828

DOCDB simple family (application)

EP 11450027 A 20110223; AT 3522010 A 20100305; HU E11450027 A 20110223